

## ABSTRACT

A polymer emitting fluorescence in the solid state, having a polystyrene-reduced weight-average molecular weight of  $10^3$  to  $10^8$  and having a repeating unit selected from the group consisting of arylene group, divalent heterocyclic group and divalent aromatic amine group, wherein the polymer has an unsaturated hydrocarbon group free of aromatic ring which directly bonds to any one of the repeating units, at least, at one terminal end of the main chain thereof.